Inventor: Olivo, et al.

Methods and Compositions for
Detection of Segmented Negative
Strand RNA Viruses
Sheet 1 of 5

MAP OF PLASMID pHH21 NP UTR luciferase

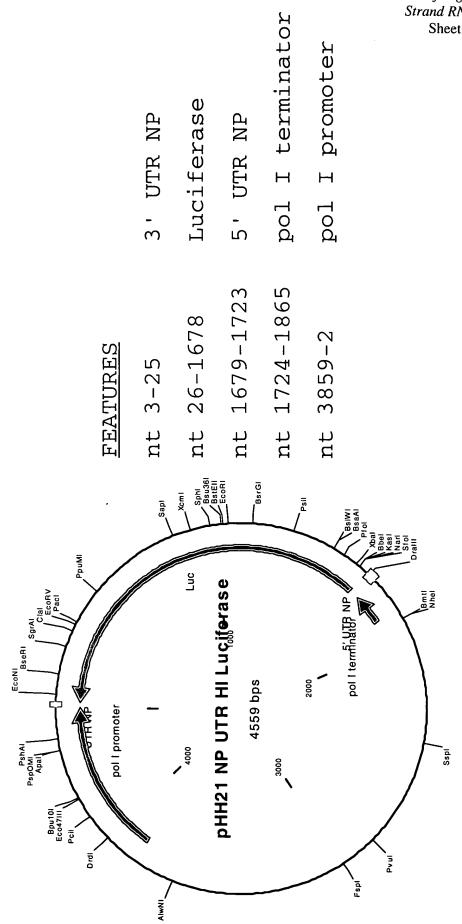


FIGURE 1

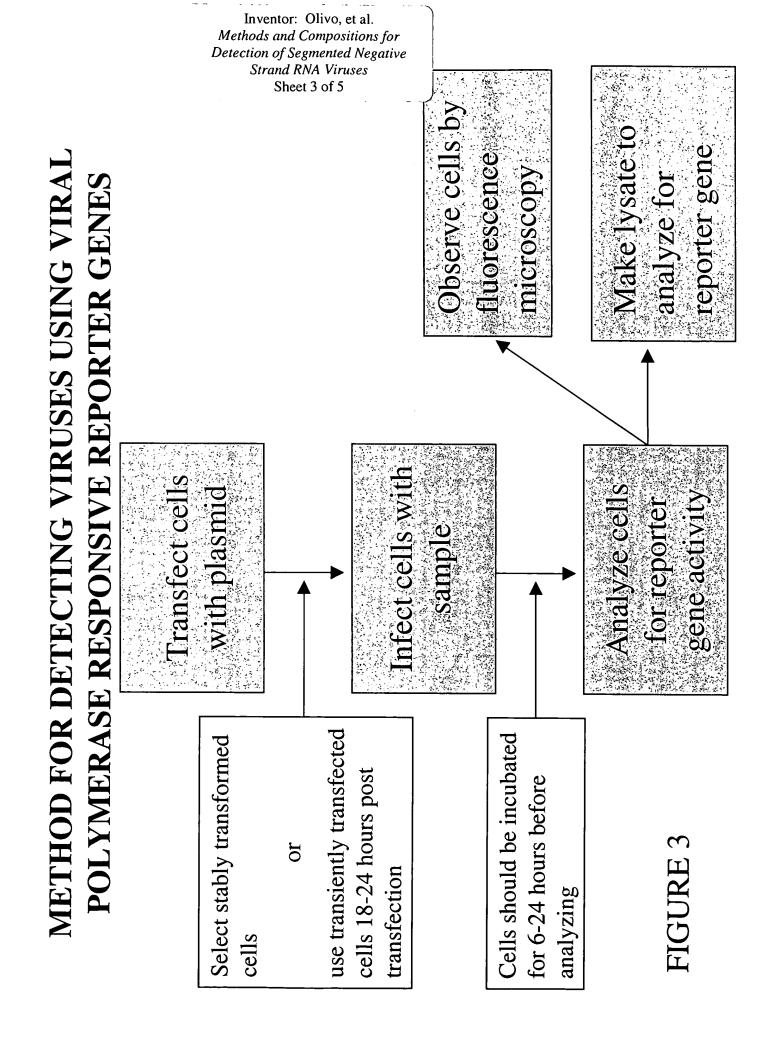
Detection of Segmented Negative Strand RNA Viruses TRANSCRIPTION, REPLICATION AND TRANSLATION OF Sheet 2 of 5 A SEGMENTED NEGATIVE STRAND VIRUS ARTIFICIAL Host cell RNA polymerase I enzyme transcribes a polymerase components 3'utr containing sample or Infect with virusintroduce viral negative polarity RNA molecule 5'utr SEGMENT Transfect cells with plasmid pHH21 NP UTR HI Lucillorase Ool 1 termfinitiff NP 4559 bps

Inventor: Olivo, et al. Methods and Compositions for

> A_n RNA molecule and transcribes it into replicates it into a positive polarity Viral polymerase recognizes the reporter gene containing RNA, CAPFIGURE 2 translation Reporter protein

replication

Viral polymerase replicates the + polarity RNA into - polarity RNA



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Methods and Compositions for
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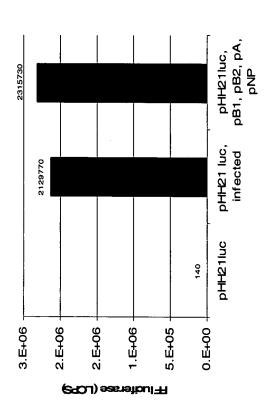


FIGURE 4

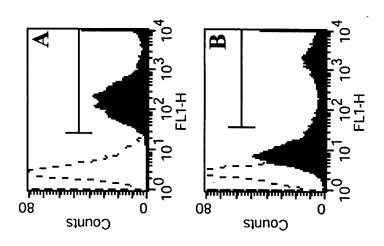


FIGURE 5